UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,834	03/25/2004	Jiun-Yao Huang	250913-1160	7950

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/809,834	HUANG ET AL.
	Examiner	Art Unit	
	Leon Andrews	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>25 March 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-32</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-32</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>25 March 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

    1.☐ Certified copies of the priority documents have been received.

    2.☐ Certified copies of the priority documents have been received in Application No. _____.

    3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>3/25/2004</u>.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis

for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section

122(b), by another filed in the United States before the invention by the applicant for

patent or (2) a patent granted on an application for patent by another filed in the United

States before the invention by the applicant for patent, except that an international

application filed under the treaty defined in section 351(a) shall have the effects for

purposes of this subsection of an application filed in the United States only if the

international application designated the United States and was published under Article

21(2) of such treaty in the English language.

Claims 1-32 rejected under 35 U.S.C. 102(e) as being anticipated by (Bell Labs Technical

Journal, Volume 8, Issue 1, Pages 27 – 42, Published Online: July 9, 2003 copyright 2003

Lucent Technologies Inc.).

Regarding Claims 1 and 17, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) for IP multimedia service control (IMS service

control, page 27, line 16), comprising the steps of:

examining a Session Initial Protocol (SIP) response message (Fig. 3, SIP register

message, column 1, page 32, line 17) received by a Serving Call Session Control Function (S-

CSCF) (Fig. 3, Serving CSCF, the message is forwarded to the appropriate S-CSCF, column 1,

page 32, lines 22-23) according to a set of response Filter Criteria (rFC) (filter criteria considered

by the S-CSCF first, column 2, page 32, lines 36-37), comprising specific responses triggering

individual application services available from a service provider (information about the

application servers that need to be involved for the user, column 1, page 32, lines26-28; filtering

is done on Register, Invite, Subscribe or Bye so as to provide services to the subscribers, column

1, page 32, line 36-40); and

re-issuing a corresponding SIP request message to an application server designated by the

rFC (S-CSCF sends a third-party register request to each application server dedicated by the

filter criteria, column 1, page 32, lines 30-32) if the SIP response message matches (Fig. 9, 9,

filter criteria matches for AS) Service Point Triggers (SPTs) (application servers use service

triggering points to apply service logic, column 1, page 33, lines 23-25) of the rFC (filter criteria

considered by the S-CSCF first, column 2, page 32, lines 36-37).

Regarding Claim 2, Bell Labs Technical Journal discloses the triggering method according to

claim 1, further comprising setting up a list of SPTs (upon receipt of a session initiation trigger,

the application checks the availability of all conferees and set up accordingly, column 2, page 36,

lines 1-3) of the rFC for matching the SIP response message.

Regarding Claims 3 and 18, Bell Labs Technical Journal discloses a triggering method (IMS process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column 1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP) multimedia subsystem (IMS), page 27, lines 7-9) according to claim 2, wherein the SPTs of the rFC are defined by:

SIP response code (Fig. 9, Cx Response, SIP response messages, 200 OK, column 1, page 41, lines 17-18);

an SIP method of the corresponding SIP request message (method of a SIP request, column 1, page 32, line 43);

a content of a header field (content of a SIP header, column 2, page 32, lines 32-33) or request-URI of the corresponding SIP request message; and

a direction of the corresponding SIP request message (Fig. 3, 4. Request).

Regarding Claims 4, 7, 19 and 22, Bell Labs Technical Journal discloses a triggering method (IMS process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column 1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP) multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the S-CSCF examines the SPTs of the rFC one by one according to their indicated priority (request that is the output of the first application server is subject to the next highest priority filter criteria and, if it satisfies these criteria, it is input to the corresponding second application server. This process continues until all the different filter criteria priorities are considered or final response to

SIP request resulted, column 2, page 32, lines 42-45 and column 1, page 33, lines 1-5).

Regarding Claims 5 and 20, Bell Labs Technical Journal discloses a triggering method (IMS process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column 1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP) multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, further comprising recording (Fig. 9, CF-AS, CF application server updates its subscriber records, column 1, page 40, lines 3-5) the SIP request message (S-CSCF adds an identifying indication to a request before forwarding it to an application server so that it can identify the message that comes back from the application server, column 1, page 33, lines 14-17) when the SIP response message (Fig. 3, SIP register message, column 1, page 32, line 17) matches (Fig. 9, 9, filter criteria matches for AS) the SPTs (application servers use service triggering points to apply service logic, column 1, page 33, lines 23-25) of the rFC (filter criteria considered by the S-CSCF first, column 2, page 32, lines 36-37).

Regarding Claims 6 and 21, Bell Labs Technical Journal discloses a triggering method (IMS process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column 1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP) multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, further comprising the steps of:

examining an SIP request message received by the S-CSCF (S-CSCF sends a third-party register request to each application server dedicated by the filter criteria, column 1, page 32, lines

30-32) according to a set of initial Filter Criteria (iFC) (set of initial criteria, column 1, page 32,

line 26); and

re-issuing the SIP request message to an application server designated by the iFC (Fig. 3,

AS, set of initial filter criteria giving information about the application servers that need to be

involved, column 1, page 32, lines 26-28) if the SIP request message matches (Fig. 9, 9, filter

criteria matches for AS) Service Point Triggers (SPTs) (application servers use service triggering

points to apply service logic, column 1, page 33, lines 23-25) of the iFC (set of initial criteria,

column 1, page 32, line 26).

Regarding Claim 23, Bell Labs Technical Journal discloses the Internet Protocol (IP)

multimedia subsystem (internet protocol (IP) multimedia subsystem (IMS), page 27, lines 7-9)

according to claim 21, wherein the S-CSCF selectively disables the function of examining the

rFC (S-CSCF uses filter criteria to involve the application servers and the filtering is done on the

SIP message such as BYE, column 1, page 32, lines 37-40).

Regarding Claims 8 and 24, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the rFC are

stored in a Home Subscriber Server (HSS) as part of the user profile (Fig. 3, HSS 5. Profile; HSS

is queried for the user's profile which includes filter criteria, column 1, page 32, lines 24-26).

Regarding Claims 9 and 25, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the rFC are

downloaded to the S-CSCF upon user registration (Fig. 3, registration process within S-CSCF

includes querying the HSS for the user's profile which includes filter criteria, column 1, page 32,

lines 23-26).

Regarding Claims 10 and 26, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the application

server is an SIP application server (SIP application server, page 27, line 15).

Regarding Claims 11 and 27, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the application

server is an Internet Protocol (IP) Multimedia Service Switching Function (IP-SSF) (IMS service

control (ISC) on application server, page 27, lines 16-17).

Regarding Claims 12 and 28, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the application

server is an Open Service Access (OSA) Service Capability Server (SCS) (Fig. 4, IMS

application servers are represented by the SIP application server and the OSA gateway, column

2, page 33, line 26-28; within the IMS, access to OSA is offered through a gateway which is seen

as a special case of a SIP application server, column 1, page 34, lines 3-5; Fig. 8, details of the

OSA API presence can be found in [6], column 2, page 38, lines 6-7).

Regarding Claims 13 and 29, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 1, wherein the triggering

method is applied when the application servers are selected depending on a content of the SIP

response message (response to the SIP request resulted in the logic performed in one of the

application servers, column 1, page 33, lines 3-5).

Regarding Claims 14 and 30, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 13, wherein the SIP

response message represents a connection status is line busy (rerouting decisions are based on

criteria such as busy, column 1, page 39, lines 38-39).

Regarding Claims 15 and 31, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 13, wherein the SIP

response message represents a connection status of destination unreachable (rerouting decisions

are based on criteria such as no answer, column 1, page 39, lines 38-40) or not found.

Regarding Claims 16 and 32, Bell Labs Technical Journal discloses a triggering method (IMS

process may be triggered by user or automatically, column 1, page 32, lines 4-5, method, column

1, page 32, line 42) and an Internet Protocol (IP) multimedia subsystem (internet protocol (IP)

multimedia subsystem (IMS), page 27, lines 7-9) according to claim 13, wherein the SIP

response message represents a connection status of call setup failure (Fig. 9, 0. Notify, called

party unavailable).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leon Andrews whose telephone number is (571) 270-1801. The examiner can normally be reached on Monday through Friday 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rao S. Seema can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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